

## HDS 13/20 DE TR1

The HDS 13/20 trailer operates at pressures of 200 bar and is the perfect solution for mobile, self-sufficient hot water cleaning at high pressure. Ideal not only for everyday cleaning in the municipal sector, but also for industry and construction.



### Order no.

1.524-952.2

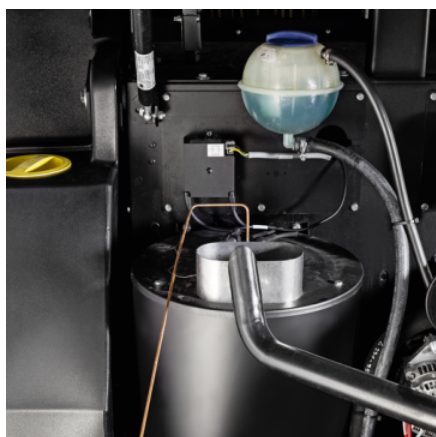
- Automatic speed reduction
- With detergent dosage
- Servo Control: variable water and pressure volume regulation direct from the trigger gun.

### Technical data

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| <b>EAN code</b>                                | 4054278270012                      |
| <b>Drive type</b>                              | Diesel                             |
| <b>Motor manufacturer</b>                      | Yanmar                             |
| <b>Motor rating</b>                            | <b>kW / hp</b> 19 / 26             |
| <b>Flow Rate</b>                               | <b>l/h</b> 900 - 1300              |
| <b>Pressure</b>                                | <b>bar / MPa</b> 60 - 200 / 6 - 20 |
| <b>Heating oil consumption, eco!efficiency</b> | <b>kg/h</b> 8.2                    |
| <b>Weight (with accessories)</b>               | <b>kg</b> 945                      |
| <b>Dimensions (L × W × H)</b>                  | <b>mm</b> 3646 × 1747 × 1735       |

### Scope of supply

**Spray gun:** EASY!Force Advanced  
**High-pressure hose:** 30 m  
**Spray lance:** 1050 mm  
**Power nozzle**  
**Servo Control**



## Maximum efficiency

- Highly efficient burner technology.
- Heat recovery through use of waste heat from the engine.
- Environmentally-friendly operation and low operating costs thanks to Kärcher's eco!efficiency mode.



## Easy operation

- The machine is easy to operate using a central selector switch.
- Easy to set up and dismantle thanks to two optional hose reels in the control area.
- Safe and ample storage options for protective equipment, accessories and detergents.



## Self-sufficient application

- Large 500 l water tank for up to 30-minute cleaning applications with full water performance.
- With 100 l diesel tank - ideal for long work assignments.
- Powerful Yanmar diesel engines allow the machine to be used independently of any power source.

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|                                                       |    | Order no.   | Description                                                                                                                                                                                          |                          |
|-------------------------------------------------------|----|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>TRIGGER GUNS</b>                                   |    |             |                                                                                                                                                                                                      |                          |
| <b>Trigger guns</b>                                   |    |             |                                                                                                                                                                                                      |                          |
| Pistol TR 155°C with package                          | 1  | 4.119-002.0 | High-quality Classic spray gun with robust valve. Also suitable for Kärcher hot water high-pressure cleaners.                                                                                        | <input type="checkbox"/> |
| EASY!Force Advanced                                   | 2  | 4.118-005.0 | Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.                                | <input type="checkbox"/> |
| EASY!Force conversion kit 1 – from high-pressure hose | 3  | 4.111-050.0 | For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle. | <input type="checkbox"/> |
| EASY!Force conversion kit 2 – from machine            | 4  | 4.111-051.0 | Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.      | <input type="checkbox"/> |
| EASY!Force conversion kit 3 – high-pressure gun       | 5  | 4.111-052.0 | Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.          | <input type="checkbox"/> |
| <b>Servo Control</b>                                  |    |             |                                                                                                                                                                                                      |                          |
| Servo Control, 1100 l/h –                             | 6  | 4.118-009.0 | Servo control for water flow and pressure control (> 1100 l/h) on the trigger gun.                                                                                                                   | <input type="checkbox"/> |
| <b>SPRAY LANCES</b>                                   |    |             |                                                                                                                                                                                                      |                          |
| <b>Rotating spray lances</b>                          |    |             |                                                                                                                                                                                                      |                          |
| Jet pipe with transport packaging, 840 mm             | 7  | 4.119-003.0 | Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.                            | <input type="checkbox"/> |
| Jet pipe TR 1050mm with package, 1050 mm              | 8  | 4.119-008.0 | High-pressure spray lance with EASY!Lock screw connections from the Classic series from Kärcher. Also suitable for Kärcher hot water high-pressure cleaners.                                         | <input type="checkbox"/> |
| Jet pipe TR 600mm with package, 600 mm                | 9  | 4.119-009.0 | Rotating Classic spray lance with ergonomic handle bowls in a robust and high-quality stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.                            | <input type="checkbox"/> |
| Jet pipe Classic TR 100mm, 100 mm                     | 10 | 4.119-013.0 |                                                                                                                                                                                                      | <input type="checkbox"/> |
| Jet pipe Classic TR 200mm, 200 mm                     | 11 | 4.119-014.0 |                                                                                                                                                                                                      | <input type="checkbox"/> |
| Jet pipe Classic TR 400mm, 400 mm                     | 12 | 4.119-015.0 |                                                                                                                                                                                                      | <input type="checkbox"/> |
| LED nozzle light                                      | 13 | 2.680-002.0 | Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.                    | <input type="checkbox"/> |
| Spray lance, 250 mm, rotatable                        | 14 | 4.112-027.0 | Spray lance, 250 mm, rotatable, ergonomic                                                                                                                                                            | <input type="checkbox"/> |

☐ Available accessories.

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|                                              |    | Order no.   | Description                                                                                                                                                                                                           |                          |
|----------------------------------------------|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>SPRAY LANCES</b>                          |    |             |                                                                                                                                                                                                                       |                          |
| <b>Rotating spray lances</b>                 |    |             |                                                                                                                                                                                                                       |                          |
| Spray lance, 400 mm, rotatable               | 15 | 4.112-024.0 | Spray lance, 400 mm, rotatable, ergonomic                                                                                                                                                                             | <input type="checkbox"/> |
| Spray lance, 600 mm, rotatable               | 16 | 4.112-007.0 | 600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.                                                                                   | <input type="checkbox"/> |
| Spray lance, 840 mm, rotatable               | 17 | 4.112-006.0 | 850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.                                                                                   | <input type="checkbox"/> |
| Spray lance, 1050 mm, rotatable              | 18 | 4.112-000.0 | 1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.                                                                                  | <input type="checkbox"/> |
| Spray lance, 1550 mm, rotatable              | 19 | 4.112-018.0 | 1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.                                                                                  | <input type="checkbox"/> |
| Spray lance, 2050 mm, rotatable              | 20 | 4.112-021.0 | 2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.                                                                                  | <input type="checkbox"/> |
| Spray lance extender, 1000 mm                | 21 | 4.112-048.0 | Spray lance extension with EASY!Lock connection. Length 1000 mm.                                                                                                                                                      | <input type="checkbox"/> |
| <b>Double lance</b>                          |    |             |                                                                                                                                                                                                                       |                          |
| Double lance, 960 mm                         | 22 | 2.112-016.0 | 960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( e.g. stable cleaning).                                                                        | <input type="checkbox"/> |
| <b>Angular spray lance</b>                   |    |             |                                                                                                                                                                                                                       |                          |
| WC and gutter lance                          | 23 | 4.112-029.0 | Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.                                                                                  | <input type="checkbox"/> |
| <b>Flexible spray lance</b>                  |    |             |                                                                                                                                                                                                                       |                          |
| Flexible lance, 1050 mm                      | 24 | 4.112-035.0 | 1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.                                                                                                | <input type="checkbox"/> |
| High pressure articulated joint              | 25 | 4.112-057.0 | For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.                                                 | <input type="checkbox"/> |
| <b>Gutter cleaner</b>                        |    |             |                                                                                                                                                                                                                       |                          |
| Gutter cleaning lance                        | 26 | 2.112-015.0 | The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.                                             | <input type="checkbox"/> |
| <b>Undercarriage spray lance</b>             |    |             |                                                                                                                                                                                                                       |                          |
| Underbody lance                              | 27 | 4.112-032.0 | Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.                                                                                                         | <input type="checkbox"/> |
| <b>Additional handle</b>                     |    |             |                                                                                                                                                                                                                       |                          |
| Additional handle for EASY!Lock spray lances | 28 | 4.321-380.0 | Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. | <input type="checkbox"/> |

☐ Available accessories.

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|                                          |    | Order no.   | Description                                                                                                                                                                                |                          |
|------------------------------------------|----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>WEED CONTROL</b>                      |    |             |                                                                                                                                                                                            |                          |
| WR 50                                    | 29 | 2.114-013.0 | In combination with a hot water high-pressure cleaner from Kärcher, the 50 cm wide weed remover WR 50 is ideal for removing weeds. It comes with an adaptive chassis and nozzle adapter.   | <input type="checkbox"/> |
| WR 20                                    | 30 | 2.114-014.0 | For thorough weed removal: The WR 20 weed remover for use with a hot water high-pressure cleaner from Kärcher. Equipped with a 20 cm wide nozzle bar and nozzle adapter.                   | <input type="checkbox"/> |
| WR 100                                   | 31 | 2.114-015.0 | Comfortable and fast weed removal: WR 100 weed remover with chassis, 100 cm wide nozzle bar and integrated nozzle adapter for use with hot water high-pressure cleaners.                   | <input type="checkbox"/> |
| WR 10                                    | 32 | 2.114-016.0 | In combination with hot water high-pressure cleaners our WR 10 weed remover enables fast and thorough weed removal. With 10 cm spray head and nozzle adapter.                              | <input type="checkbox"/> |
| <b>ECO!BOOSTER</b>                       |    |             |                                                                                                                                                                                            |                          |
| eco!Booster TR 080                       | 33 | 2.113-089.0 | eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 080).                  | <input type="checkbox"/> |
| Eco!Booster MAX TR 080                   | 34 | 2.113-099.0 | Maximum efficiency and versatility in professional cleaning. The eco!Booster MAX offers more than double the area performance and ergonomic handling.                                      | <input type="checkbox"/> |
| <b>QUICK CONNECT</b>                     |    |             |                                                                                                                                                                                            |                          |
| Quick-fitting pipe union coupler trapezo | 35 | 2.115-000.0 | For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 x 1.5 internal thread.              | <input type="checkbox"/> |
| Quick-fitting pipe union plug nipple tra | 36 | 2.115-001.0 | Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.                                                                                      | <input type="checkbox"/> |
| <b>DRUM AND TANK CLEANING</b>            |    |             |                                                                                                                                                                                            |                          |
| Add-on kit mud sucker                    | 37 | 2.641-798.0 | For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.                  | <input type="checkbox"/> |
| <b>OTHER HP ACCESSORIES</b>              |    |             |                                                                                                                                                                                            |                          |
| Jet gun                                  | 38 | 2.869-067.0 | Short set-up time, easy transport, instant switch off - the jet gun is the affordable cleaning method for all kinds of small to medium-sized areas. Adjustable pressure/water volume.      | <input type="checkbox"/> |
| <b>SEALS FOR TRAPEZOIDAL THREAD</b>      |    |             |                                                                                                                                                                                            |                          |
| Spare part set seals TR                  | 39 | 2.880-001.0 |                                                                                                                                                                                            | <input type="checkbox"/> |
| <b>ROTARY NOZZLES (DIRT BLASTERS)</b>    |    |             |                                                                                                                                                                                            |                          |
| <b>Dirt blaster, large</b>               |    |             |                                                                                                                                                                                            |                          |
| Dirt blaster, large, 070/080             | 40 | 4.114-030.0 | The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85 °C. | <input type="checkbox"/> |
| Dirt blaster, large, 090                 | 41 | 4.114-043.0 | Dirt blaster - rotating pencil jet - 10x cleaning power. Ceramic nozzle and bearing ring for long service life. Max. 300 bar/30 MPa, 85 °C                                                 | <input type="checkbox"/> |
| <b>Classic rotary nozzle</b>             |    |             |                                                                                                                                                                                            |                          |
| Rotor nozzle TR 080                      | 42 | 4.119-026.0 | The powerful rotating point jet of the Classic rotary nozzle from Kärcher ensures the best possible cleaning results and is suitable for water temperatures of up to 60 °C.                | <input type="checkbox"/> |

☐ Available accessories.

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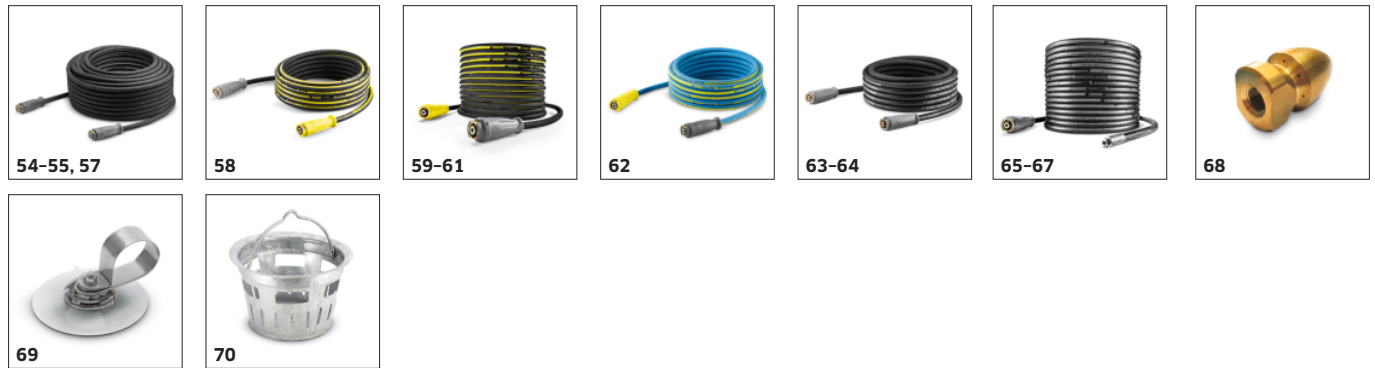


|                                                         |    | Order no.   | Description                                                                                                                                                                                               |                          |
|---------------------------------------------------------|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| KÄRCHER POWER NOZZLE                                    |    |             |                                                                                                                                                                                                           |                          |
| HP nozzle spray angle 0°                                |    |             |                                                                                                                                                                                                           |                          |
| Power nozzle 0°, 075                                    | 43 | 2.113-037.0 | High-pressure nozzle with powerful jet for extremely stubborn dirt.                                                                                                                                       | <input type="checkbox"/> |
| Power nozzle spray angle 15°                            |    |             |                                                                                                                                                                                                           |                          |
| Power nozzle 15°, 070                                   | 44 | 2.113-049.0 | Fan jet nozzle with 15° spray angle suitable for stubborn dirt.                                                                                                                                           | <input type="checkbox"/> |
| Power nozzle 15°, 075                                   | 45 | 2.113-050.0 |                                                                                                                                                                                                           | <input type="checkbox"/> |
| Power nozzle spray angle 25°                            |    |             |                                                                                                                                                                                                           |                          |
| Power nozzle 25°, 032                                   | 46 | 2.113-071.0 | Fan jet nozzle for large-area coverage and stubborn dirt and stains.                                                                                                                                      | <input type="checkbox"/> |
| Power Nozzle , 070                                      | 47 | 2.113-028.0 |                                                                                                                                                                                                           | <input type="checkbox"/> |
| Power nozzle spray angle 40°                            |    |             |                                                                                                                                                                                                           |                          |
| Power Nozzle 40°, 075                                   | 48 | 2.113-056.0 | Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.                                                                                                         | <input type="checkbox"/> |
| STEAM NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE       |    |             |                                                                                                                                                                                                           |                          |
| Rollover nozzle holder                                  |    |             |                                                                                                                                                                                                           |                          |
| Ball Nozzle Holder                                      | 49 | 4.764-012.0 | Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle). | <input type="checkbox"/> |
| NOZZLE UNION / SPACER                                   |    |             |                                                                                                                                                                                                           |                          |
| Nozzle union                                            |    |             |                                                                                                                                                                                                           |                          |
| Nozzle screws                                           | 50 | 4.112-011.0 | Nozzle screws with protectors for high-pressure and power nozzles                                                                                                                                         | <input type="checkbox"/> |
| HIGH-PRESSURE HOSES                                     |    |             |                                                                                                                                                                                                           |                          |
| Standard with unions on both sides                      |    |             |                                                                                                                                                                                                           |                          |
| High-pressure hose, 10 m, ID 10, 220 bar, 2 × EASY!Lock | 51 | 6.110-041.0 | Impressive values and basic equipment: 10 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.                                                                                        | <input type="checkbox"/> |
| High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock | 52 | 6.110-042.0 | Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).                                                                   | <input type="checkbox"/> |
| High-pressure hose, 20 m, ID 10, 220 bar, 2 × EASY!Lock | 53 | 6.110-043.0 | 20 m in length and the extremely time-saving and comfortable EASY!Lock manual screw fitting on both sides are some of the main features of this high-pressure hose (DN 10).                               | <input type="checkbox"/> |
| High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock | 54 | 6.110-044.0 | Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.                                                                                        | <input type="checkbox"/> |
| High-pressure hose, 40 m, ID 10, 220 bar, 2 × EASY!Lock | 55 | 6.110-045.0 | 40 m long high-pressure hose with EASY!Lock system for the time-saving manual screw connection (both sides). Nominal size (DN) 10, working pressure up to 220 bar.                                        | <input type="checkbox"/> |
| High-pressure hose, 15 m, ID 12, 210 bar, 2 × EASY!Lock | 56 | 6.110-059.0 | Designed for working pressures up to 250 bar: High-pressure hose (DN 12) with a length of 15 m. Has the comfortable EASY!Lock manual screw fitting on both sides.                                         | <input type="checkbox"/> |

☐ Available accessories.

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|                                                                              |    | Order no.   | Description                                                                                                                                                                                                              |                          |
|------------------------------------------------------------------------------|----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>HIGH-PRESSURE HOSES</b>                                                   |    |             |                                                                                                                                                                                                                          |                          |
| <b>Standard with unions on both sides</b>                                    |    |             |                                                                                                                                                                                                                          |                          |
| High-pressure hose, 40 m, ID 12, 210 bar, 2 × EASY!Lock                      | 57 | 6.110-060.0 | With EASY!Lock manual screw fitting and lots of room for manoeuvre thanks to 40 m in length: High-pressure hose (DN 12) with EASY!Lock manual screw fitting on both sides. Suitable for working pressures up to 250 bar. | <input type="checkbox"/> |
| <b>Longlife 400 with unions on both sides</b>                                |    |             |                                                                                                                                                                                                                          |                          |
| High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock              | 58 | 6.110-038.0 | Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.                                                      | <input type="checkbox"/> |
| High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock              | 59 | 6.110-023.0 | Robust high-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, for up to 400 bar pressure.                                                 | <input type="checkbox"/> |
| High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock              | 60 | 6.110-027.0 | High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.                                                   | <input type="checkbox"/> |
| High-pressure hose Longlife, 15 m, ID 8, 400 bar, 2 × EASY!Lock              | 61 | 6.110-029.0 | The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.                                                                       | <input type="checkbox"/> |
| <b>Longlife food industry version with unions on both sides</b>              |    |             |                                                                                                                                                                                                                          |                          |
| High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock   | 62 | 6.110-053.0 | With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.                                               | <input type="checkbox"/> |
| <b>Classic</b>                                                               |    |             |                                                                                                                                                                                                                          |                          |
| Hose assembly with package TR DN10 25MPa, 20 m, ID 10, 250 bar × , EASY!Lock | 63 | 4.119-019.0 | High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.                                                                      | <input type="checkbox"/> |
| Hose assembly with package TR DN10 25MPa, 40 m, ID 10, 250 bar × , EASY!Lock | 64 | 4.119-020.0 |                                                                                                                                                                                                                          | <input type="checkbox"/> |
| <b>PIPE CLEANING</b>                                                         |    |             |                                                                                                                                                                                                                          |                          |
| <b>Pipe cleaning hose, ID 6</b>                                              |    |             |                                                                                                                                                                                                                          |                          |
| Hose assembly TR pipe cleaning DN6 max.2                                     | 65 | 6.110-046.0 | The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).                                                                                   | <input type="checkbox"/> |
| Pipe cleaning hose, DN 6, 20 m, 220 bar                                      | 66 | 6.110-008.0 | The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).                                                                                   | <input type="checkbox"/> |
| Hose assembly TR pipe cleaning DN6 max.2                                     | 67 | 6.110-047.0 | The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).                                                                                   | <input type="checkbox"/> |
| <b>Pipe cleaning nozzle</b>                                                  |    |             |                                                                                                                                                                                                                          |                          |
| Nozzle pipe cleaning size 80                                                 | 68 | 5.763-087.0 | Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.                                                                                                                                     | <input type="checkbox"/> |
| <b>FLOOR AND HARD SURFACE CLEANER</b>                                        |    |             |                                                                                                                                                                                                                          |                          |
| <b>Hard Surface Cleaner FRV 30</b>                                           |    |             |                                                                                                                                                                                                                          |                          |
| Add-on kit hose attachment                                                   | 69 | 2.642-528.0 | Suction cup for fixing the suction hose to smooth surfaces.                                                                                                                                                              | <input type="checkbox"/> |
| Add-on kit dirt trap                                                         | 70 | 2.642-532.0 | Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.                                                                                                                     | <input type="checkbox"/> |

☐ Available accessories.

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|                                                              |    | Order no.   | Description                                                                                                                                                                                              |                          |
|--------------------------------------------------------------|----|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>FLOOR AND HARD SURFACE CLEANER</b>                        |    |             |                                                                                                                                                                                                          |                          |
| <b>Hard surface cleaner FR 30 ME</b>                         |    |             |                                                                                                                                                                                                          |                          |
| FR 30 ME surface cleaner                                     | 71 | 2.111-013.0 | Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.                 | <input type="checkbox"/> |
| <b>Hard Surface Cleaner FR 50</b>                            |    |             |                                                                                                                                                                                                          |                          |
| FR 50 surface cleaner                                        | 72 | 2.111-023.0 | Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas. With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system. | <input type="checkbox"/> |
| <b>Machine-specific nozzle kit for FR</b>                    |    |             |                                                                                                                                                                                                          |                          |
| Nozzle kit for FR, 1100 l/h - 1300 l/h                       | 73 | 2.639-188.0 | Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).                                                                                                           | <input type="checkbox"/> |
| Nozzle kit for FR, 1300 l/h - 1800 l/h                       | 74 | 2.640-781.0 | Machine-specific nozzle kit Kärcher power nozzle for hard surface cleaners                                                                                                                               | <input type="checkbox"/> |
| <b>Machine-specific nozzle kits for FRV</b>                  |    |             |                                                                                                                                                                                                          |                          |
| Nozzle kit for FRV, 080                                      | 75 | 2.642-982.0 | Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.                                                                                                                        | <input type="checkbox"/> |
| <b>Hard surface cleaner FRV 30 Me</b>                        |    |             |                                                                                                                                                                                                          |                          |
| FRV 30 Me Surface Cleaner                                    | 76 | 2.111-012.0 | Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.     | <input type="checkbox"/> |
| Extension hose FRV 30 Me and FRV 50 Me                       | 77 | 4.441-040.0 | 5 m extension hose for FRV 30 Me. Includes connecting adapter.                                                                                                                                           | <input type="checkbox"/> |
| <b>Surface Cleaner FR 50 Me</b>                              |    |             |                                                                                                                                                                                                          |                          |
| FRV 50 Me surface cleaner                                    | 78 | 2.111-024.0 | Surface cleaning with automatic suction of the dirty water for very large surfaces. Hot water cleaning up to 85°C.                                                                                       | <input type="checkbox"/> |
| <b>FOAM SYSTEMS</b>                                          |    |             |                                                                                                                                                                                                          |                          |
| <b>Cup foam lance</b>                                        |    |             |                                                                                                                                                                                                          |                          |
| Cup foam lance Advanced 3, 900 l/h - 2500 l/h                | 79 | 4.112-065.0 | Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.                     | <input type="checkbox"/> |
| Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h            | 80 | 4.112-069.0 | DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.                              | <input type="checkbox"/> |
| Cup foam lance Basic 3, 900 l/h - 2500 l/h                   | 81 | 4.112-055.0 | For high-pressure cleaners with a flow rate of 900-2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.                 | <input type="checkbox"/> |
| 1-litre cleaning agent container for cup foam lance basic    | 82 | 5.071-414.0 | For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).                                                 | <input type="checkbox"/> |
| 1-litre cleaning agent container for cup foam lance advanced | 83 | 6.414-050.0 | Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).                                                                    | <input type="checkbox"/> |
| <b>Inno Foam Set</b>                                         |    |             |                                                                                                                                                                                                          |                          |
| Inno foam kit                                                | 84 | 2.112-008.0 | High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.    | <input type="checkbox"/> |

☐ Available accessories.

## EQUIPMENT FOR HDS 13/20 DE TR1 1.524-952.2



|                                              |    | Order no.   | Description                                                                                                                                                                                                                             |                          |
|----------------------------------------------|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>FOAM SYSTEMS</b>                          |    |             |                                                                                                                                                                                                                                         |                          |
| <b>Easy Foam Set</b>                         |    |             |                                                                                                                                                                                                                                         |                          |
| Easy foam set                                | 85 | 2.112-011.0 | HP foam system for use with. HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately. | <input type="checkbox"/> |
| <b>Nozzle kits for Inno/Easy Foam Set</b>    |    |             |                                                                                                                                                                                                                                         |                          |
| Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h | 86 | 2.111-020.0 | Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.                                                                                             | <input type="checkbox"/> |
| <b>Foam nozzle mounting kit</b>              |    |             |                                                                                                                                                                                                                                         |                          |
| Foam nozzle kit                              | 87 | 2.112-013.0 | Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.                                                                                          | <input type="checkbox"/> |
| <b>COUPLING PARTS</b>                        |    |             |                                                                                                                                                                                                                                         |                          |
| <b>Rotary coupling</b>                       |    |             |                                                                                                                                                                                                                                         |                          |
| Rotary coupling                              | 88 | 4.111-021.0 | Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection                                                                                                                                                         | <input type="checkbox"/> |
| <b>Connector</b>                             |    |             |                                                                                                                                                                                                                                         |                          |
| Nozzle connector/screw connector             | 89 | 4.111-022.0 | For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1 x M 18 x 1.5.                                                                                                     | <input type="checkbox"/> |
| Y distributor                                | 90 | 4.111-024.0 | Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.                                                                                                                                  | <input type="checkbox"/> |
| Short spray unit                             | 91 | 4.111-038.0 | For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.                                                                                                     | <input type="checkbox"/> |
| <b>Adapter EASY!Lock</b>                     |    |             |                                                                                                                                                                                                                                         |                          |
| Adapter 1 M22AG-TR22AG                       | 92 | 4.111-029.0 | Adapter 1 to connect the old hose with the new hose                                                                                                                                                                                     | <input type="checkbox"/> |
| Adapter 2 M22IG-TR22AG                       | 93 | 4.111-030.0 | Adapter 2 to connect the old device with the new hose and the old gun with the new hose                                                                                                                                                 | <input type="checkbox"/> |
| Adapter 3 M22IG-TR22AG                       | 94 | 4.111-031.0 | Adapter 3 to connect the old gun with the new spray lance and new servo regulator                                                                                                                                                       | <input type="checkbox"/> |
| Adapter M22 - Swivel                         | 95 | 4.111-032.0 | Adapter 4 to connect the new gun with the old swivel hose                                                                                                                                                                               | <input type="checkbox"/> |
| Adapter 5 TR22IG-M22AG                       | 96 | 4.111-033.0 | Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance                                                                                                                              | <input type="checkbox"/> |
| Adapter 6 TR22IG-M22AG                       | 97 | 4.111-034.0 | Adapter 6 to connect the new device with the old hose and the old hose with the new gun                                                                                                                                                 | <input type="checkbox"/> |
| Adapter 7 M18IG-TR20AG                       | 98 | 4.111-035.0 | Adapter 7 to connect the old spray lance with the new nozzle                                                                                                                                                                            | <input type="checkbox"/> |

☐ Available accessories.

## EQUIPMENT FOR HDS 13/20 DE TR1

### 1.524-952.2



|                                                                    |     | Order no.   | Description                                                                                                                                                                                                                           |                          |
|--------------------------------------------------------------------|-----|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>COUPLING PARTS</b>                                              |     |             |                                                                                                                                                                                                                                       |                          |
| <b>Adapter EASY!Lock</b>                                           |     |             |                                                                                                                                                                                                                                       |                          |
| Adapter 8 TR20IG-M18AG                                             | 99  | 4.111-036.0 | Adapter 8 to connect the new spray lance with the old nozzle                                                                                                                                                                          | <input type="checkbox"/> |
| Coupler -2xTR22 - EASY!Lock                                        | 100 | 4.111-037.0 | Adapter 9 to connect the new hose with the new hose                                                                                                                                                                                   | <input type="checkbox"/> |
| ADAPTER for replacement TR22IG-M22AG Er                            | 101 | 4.111-046.0 | Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection                                                                                                                        | <input type="checkbox"/> |
| <b>HOSE REELS</b>                                                  |     |             |                                                                                                                                                                                                                                       |                          |
| <b>Automatic, self-winding hose reels</b>                          |     |             |                                                                                                                                                                                                                                       |                          |
| Automatic plastic hose reel incl. high-pressure hose, 15 m         | 102 | 2.639-257.0 | Spring-mounted and ready-to-use automatic hose reel for wall mounting. Simplifies handling of the high-pressure hose, shortens set-up times and increases occupational safety.                                                        | <input type="checkbox"/> |
| Automatic hose reel, powder-coated steel / plastic, 20 m           | 103 | 6.392-074.0 | Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.                                                                                                         | <input type="checkbox"/> |
| Automatic stainless steel / synthetic material hose drum, 20 m     | 104 | 6.392-083.0 | Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.                                                                                                              | <input type="checkbox"/> |
| Automatic hose reel, coated, 20 m                                  | 105 | 6.392-106.0 | Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.                                                                                                                                  | <input type="checkbox"/> |
| Hose reel, automatic, basalt grey-coated, 20 m                     | 106 | 6.392-105.0 | Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses.                                                                                                                          | <input type="checkbox"/> |
| Automatic hose reel, stainless steel, includes swivel holder, 20 m | 107 | 6.392-076.0 | Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.                                                                                                                                        | <input type="checkbox"/> |
| Automatic stainless steel hose reel, 40 m                          | 108 | 6.392-442.0 | Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit). | <input type="checkbox"/> |
| Powder-coated swivel holder                                        | 109 | 2.639-931.0 | Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.                                                                               | <input type="checkbox"/> |
| Stainless steel swivel holder                                      | 110 | 2.641-867.0 | Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.                                                                              | <input type="checkbox"/> |
| <b>FACADE AND SOLAR PANEL CLEANING</b>                             |     |             |                                                                                                                                                                                                                                       |                          |
| <b>Brushes</b>                                                     |     |             |                                                                                                                                                                                                                                       |                          |
| Brush hard                                                         | 111 | 6.960-133.0 | Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.                                                   | <input type="checkbox"/> |
| Brush medium                                                       | 112 | 6.960-134.0 | Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.                                          | <input type="checkbox"/> |

☐ Available accessories.

## EQUIPMENT FOR HDS 13/20 DE TR1

### 1.524-952.2



|                                        |     | Order no.   | Description                                                                                                                                                                                                  |                          |
|----------------------------------------|-----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>FACADE AND SOLAR PANEL CLEANING</b> |     |             |                                                                                                                                                                                                              |                          |
| <b>Brushes</b>                         |     |             |                                                                                                                                                                                                              |                          |
| Brush soft                             | 113 | 6.960-135.0 | For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems.                          | <input type="checkbox"/> |
| iSolar 800 Advanced                    | 114 | 6.368-095.0 | For water flow rates of 1,100–1,300 l/h: The 800-mm iSolar water-driven brush head with two contra-rotating disc brushes and flexible angle joint ensures that photovoltaic systems are given an even clean. | <input type="checkbox"/> |
| iSolar 400 Advanced                    | 115 | 6.368-093.0 | The iSolar 400 water-driven disc brush (working width 400 mm) is designed for water flow rates of 1,100–1,300 l/h. For small to medium-sized photovoltaic systems (including elevated systems).              | <input type="checkbox"/> |
| <b>Telescopic</b>                      |     |             |                                                                                                                                                                                                              |                          |
| TL low pressure adapter                | 116 | 4.580-097.0 | TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes.                                                   | <input type="checkbox"/> |
| Telescopic lance TL 7 F                | 117 | 4.762-609.0 | Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension.                                       | <input type="checkbox"/> |
| Telescopic lance TL 7 H                | 118 | 4.762-610.0 | Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach.                                         | <input type="checkbox"/> |
| Telescopic lance TL 10 H               | 119 | 4.762-611.0 | Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners.                | <input type="checkbox"/> |
| Telescopic lance TL 10 C               | 120 | 4.762-612.0 | Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels.                                       | <input type="checkbox"/> |
| Telescopic lance TL 14 C               | 121 | 4.762-613.0 | Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners.                        | <input type="checkbox"/> |
| TL high pressure adapter               | 122 | 4.775-154.0 | TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals.                         | <input type="checkbox"/> |
| <b>Wasserenthärtung</b>                |     |             |                                                                                                                                                                                                              |                          |
| WS 50                                  | 123 | 6.368-463.0 | The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.                 | <input type="checkbox"/> |
| WS 100                                 | 124 | 6.368-464.0 | The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.                | <input type="checkbox"/> |
| WS Regenerator                         | 125 | 6.368-465.0 | With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.                              | <input type="checkbox"/> |
| <b>Hoses</b>                           |     |             |                                                                                                                                                                                                              |                          |
| Hose solar                             | 126 | 6.392-978.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.                          | <input type="checkbox"/> |

☐ Available accessories.

## EQUIPMENT FOR HDS 13/20 DE TR1

### 1.524-952.2



|                                                                     |     | Order no.   | Description                                                                                                                                                                                                                            |                          |
|---------------------------------------------------------------------|-----|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>FACADE AND SOLAR PANEL CLEANING</b>                              |     |             |                                                                                                                                                                                                                                        |                          |
| <b>Hoses</b>                                                        |     |             |                                                                                                                                                                                                                                        |                          |
| Hose solar                                                          | 127 | 6.392-977.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.                                                   | <input type="checkbox"/> |
|                                                                     | 128 | 6.392-976.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.                                                   | <input type="checkbox"/> |
| <b>Attachment kits and adapters</b>                                 |     |             |                                                                                                                                                                                                                                        |                          |
| Case sheet steel                                                    | 129 | 6.988-152.0 | Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.                                                   | <input type="checkbox"/> |
| <b>WET BLASTING ATTACHMENT</b>                                      |     |             |                                                                                                                                                                                                                                        |                          |
| <b>Wet blasting attachment (without nozzle)</b>                     |     |             |                                                                                                                                                                                                                                        |                          |
| Wet blasting attachment with flow control (without nozzles)         | 130 | 4.115-000.0 | Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.                                                                                      | <input type="checkbox"/> |
| Wet blasting attachment without flow control (nozzles not included) | 131 | 4.115-006.0 | Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation                                              | <input type="checkbox"/> |
| <b>Nozzle pack for wet blasting attachment</b>                      |     |             |                                                                                                                                                                                                                                        |                          |
| Nozzle pack TR wet jet set 0070                                     | 132 | 2.112-027.0 | Consisting of wet jet nozzle and nozzle insert – only for use in combination with wet jet unit 4.115-000.0   4.115-006.0.                                                                                                              | <input type="checkbox"/> |
| <b>Boron carbide nozzle</b>                                         |     |             |                                                                                                                                                                                                                                        |                          |
| Boron carbide nozzle, for machines as of 1000 l/h                   | 133 | 6.415-083.0 | In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.                                                                                                                        | <input type="checkbox"/> |
| <b>DRUM AND TANK CLEANING</b>                                       |     |             |                                                                                                                                                                                                                                        |                          |
| <b>Barrel and tank cleaning</b>                                     |     |             |                                                                                                                                                                                                                                        |                          |
| Rotary cleaner head M63E                                            | 134 | 6.751-061.0 | Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor. | <input type="checkbox"/> |
| <b>WATER CONNECTION</b>                                             |     |             |                                                                                                                                                                                                                                        |                          |
| <b>Suction filter</b>                                               |     |             |                                                                                                                                                                                                                                        |                          |
| Water filter                                                        | 135 | 6.414-956.0 | Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve                                                                     | <input type="checkbox"/> |
| Suction filter with check valve                                     | 136 | 4.730-012.0 | Brass suction filter suitable for ponds, storage tanks, etc. With check valve.                                                                                                                                                         | <input type="checkbox"/> |
| <b>Fine-mesh water filter</b>                                       |     |             |                                                                                                                                                                                                                                        |                          |
| Add-on kit water filter universal                                   | 137 | 2.637-020.0 | Water fine filter, mesh size 25 µm, max. temperature 50 °C. Protects the machine from small dirt particles in the water. Water volume up to 1200 l/h. 3/4" connection, with 1" adapter.                                                | <input type="checkbox"/> |
| Fine-mesh water filter with adapter                                 | 138 | 4.730-102.0 | Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".                               | <input type="checkbox"/> |
| <b>WASHING BRUSHES</b>                                              |     |             |                                                                                                                                                                                                                                        |                          |
| <b>Push-on washing brush</b>                                        |     |             |                                                                                                                                                                                                                                        |                          |
| Push-on wash brush, M 18 × 1.5                                      | 139 | 4.113-001.0 | For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection                                                                                                                          | <input type="checkbox"/> |
| <b>Rotating washing brush</b>                                       |     |             |                                                                                                                                                                                                                                        |                          |
| Rotating wash brush for > 800 l/h machines, nylon bristles          | 140 | 4.113-002.0 | Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert).                                                                           | <input type="checkbox"/> |

☐ Available accessories.

## EQUIPMENT FOR HDS 13/20 DE TR1

### 1.524-952.2



|                                                              |     | Order no.   | Description                                                                                                                                                                                               |                          |
|--------------------------------------------------------------|-----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>WASHING BRUSHES</b>                                       |     |             |                                                                                                                                                                                                           |                          |
| <b>Rotating washing brush</b>                                |     |             |                                                                                                                                                                                                           |                          |
| Rotating wash brush for > 800 l/h machines, natural bristles | 141 | 4.113-005.0 | Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert).                                              | <input type="checkbox"/> |
| <b>KITS</b>                                                  |     |             |                                                                                                                                                                                                           |                          |
| <b>Fleet mounting kit</b>                                    |     |             |                                                                                                                                                                                                           |                          |
| Add-on kit                                                   | 142 | 2.644-391.0 | The IoT module <sup>1)</sup> is used to transmit information on the location and operating hours of battery-powered Kärcher cleaning machines and third-party devices to the equipment management system. | <input type="checkbox"/> |

☐ Available accessories.